

Gulf of Mexico Harmful Algal Bloom Bulletin

15 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

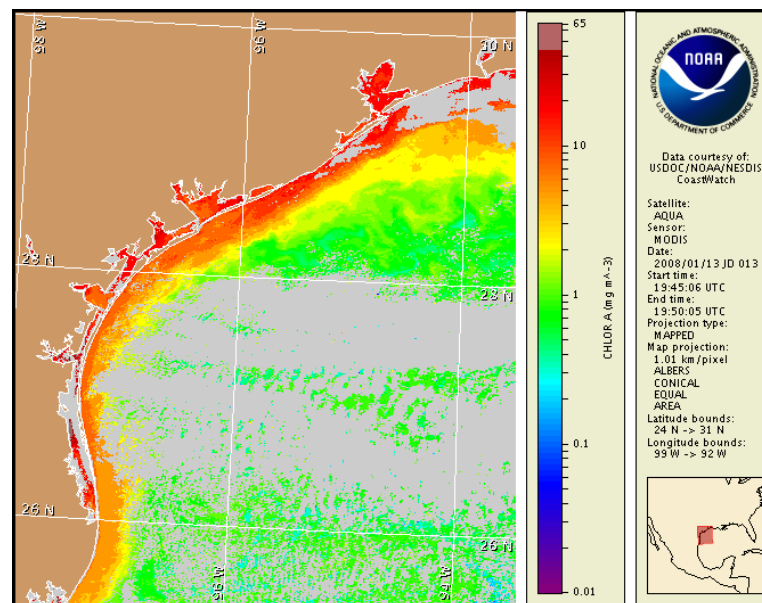
Last bulletin: December 18, 2007

Conditions Report

There have been no recent reports of red tide. No impacts are expected along the Texas coast.

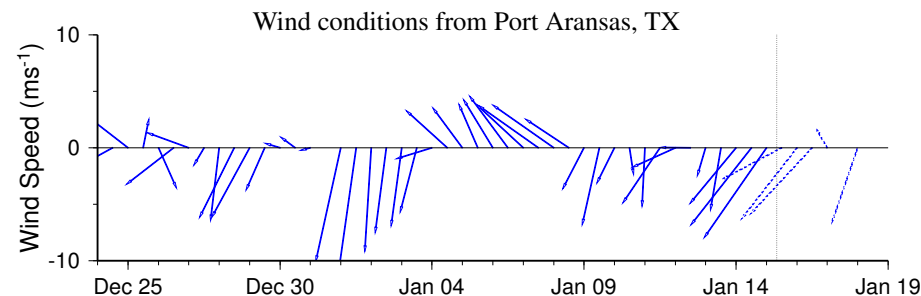
Analysis

Chlorophyll concentrations have increased and are presently 10-15 $\mu\text{g/L}$ along the Texas coast from Galveston Bay to Laguna Madre. This increase may be due to resuspended chlorophyll due to recent strong winds. There have been no recent reports of red tide. -- Nielsen, Wynne



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 7 to 11 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

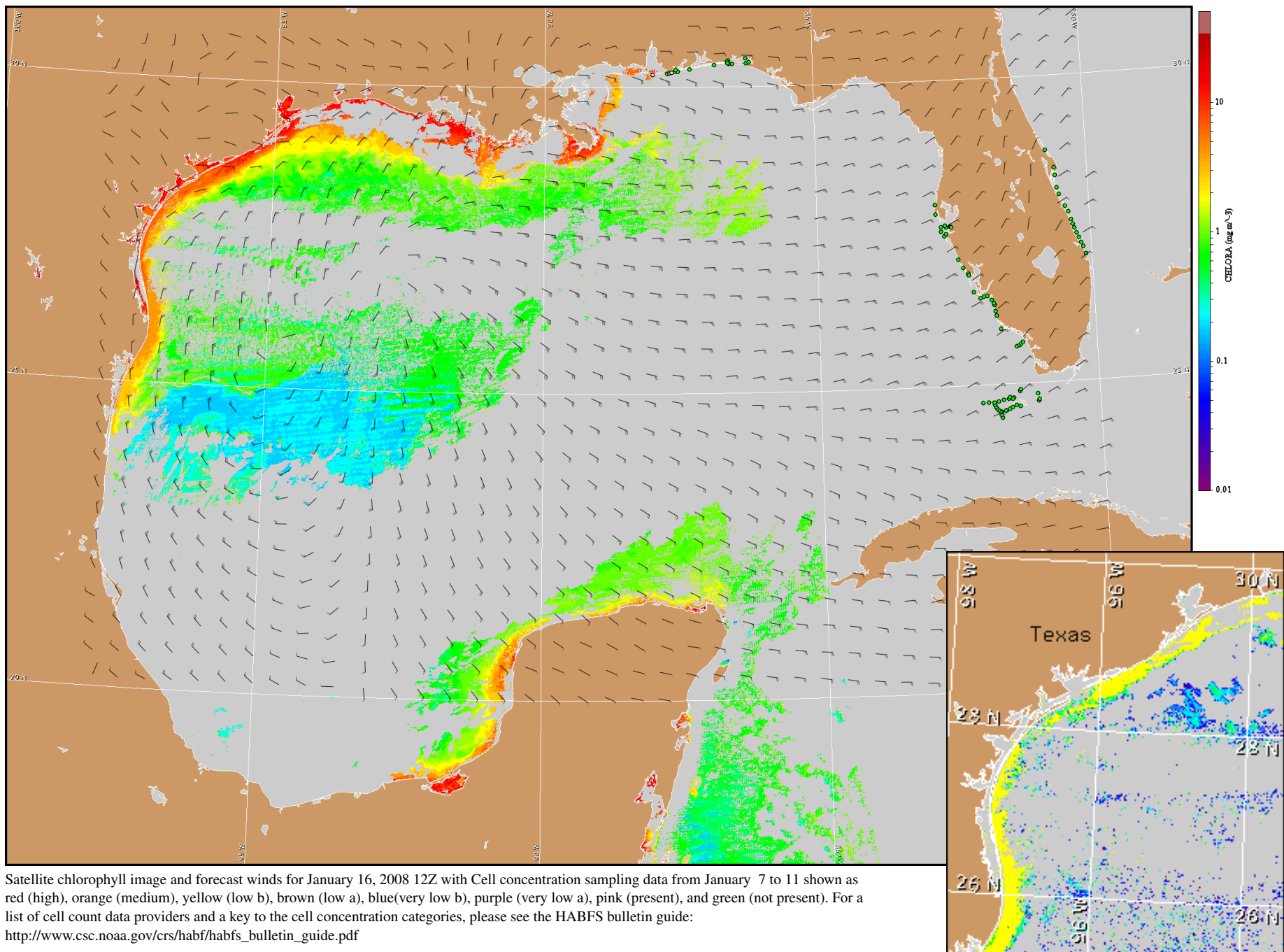


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Today, east winds from 20 to 25 knots. Tonight, northeast wind 20 to 25 knots increasing 25 to 30 knots after midnight. On Wednesday, north wind 25 to 30 knots becoming northeast 20 to 25 knots in the afternoon. Wednesday night east wind 5 to 10 knots. Thursday, northeast wind 10 to 15 knots increasing to 15 to 20 knots in the afternoon and evening, then becoming north 10 to 15 knots after midnight. On Friday, north wind at 10 to 15 knots decreasing to 5 to 10 knots in the afternoon, then becoming northwest at 10 to 15 knots in the afternoon. After midnight on Friday, winds become north at 20 to 25 knots. On Saturday, north winds at 20 to 25 knots becoming northeast at 10 to 15 knots.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).